

as a decomposition assist gas;

01 a thermal decomposition device for thermally decomposing the waste gas to which the decomposition assist gas has been added, said thermal decomposition device being packed with  $\gamma$ -alumina to be heated to 500°C to 1000°C; and

an acidic gas treating device for removing acidic gases from the thermally decomposed waste gas.

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C2 14. **(Amended)** The apparatus according to claim 13, wherein said analyzer is positioned immediately upstream of said air ejector.

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C3 21. **(Amended)** The apparatus according to claim 20, wherein said analyzer is positioned immediately upstream of said air ejector.

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